

From: James A. Stenger

To: John Kennedy

Date: May 14, 2002

Subject:

FCC File #: 0093-EX-PL-2002- Reply

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Message:

AEC hereby respectfully responds to the Commission's request for additional information concerning its experimental license application for power line communications equipment tests.

1. Please submit a block diagram of a typical home installation and network installation including the equipment intended to be used.

Answer: AEC is filing a diagram with the Commission. AEC is asking for 1000 units in order to be able to explore various network configurations that may occur on a typical US electric distribution grid. AEC seeks authority to test power line communications (PLC) equipment that may be offered by several vendors. AEC believes the home and network architecture illustrated in the Main.net diagram is reasonably representative of PLC systems generally. However, to the extent that other vendor architectures significantly vary, AEC will file for such amendment to its license as would be necessary to test the equipment offered by such vendors.

2. Will all equipment used be in compliance with 47 CFR, Part 15?

Answer: Yes. In accordance with Section 2.803(g), AEC will test devices that are designed to comply with Part 15 and to the best of the vendor's knowledge will upon testing comply with Part 15.

3. Specifically, under which sections of Part 15 will the equipment be operated?

Answer: The equipment will be operated under Section 2.803(e)(1)(i) of the Rules to verify compliance with Section 15.109(e) of the Rules.

4. How will compliance with Part 15 be demonstrated?

Answer: Compliance will be demonstrated by taking measurements in accordance with Section 15.31 of the Rules to demonstrate operation within the limits set forth in Section 15.109(e).